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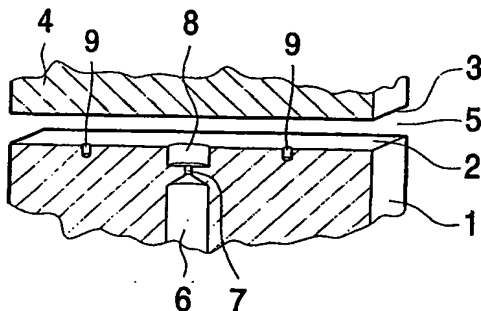
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(54) Title: A GAS BEARING SYSTEM



(57) Abstract: A gas bearing system comprising to opposing substan-  
tially parallel bearing surfaces (2, 3) and at least one gas duct (6) for  
supplying gas through an orifice (7) to the bearing gap (5) between said  
bearing surfaces (2, 3). At least one of said bearing surfaces (2, 3) is  
provided with at least one cavity (8, 9) extending over 0.3 mm<sup>2</sup> to 3  
mm<sup>2</sup> of said at least one bearing surface (2, 3). The content of said cavi-  
ty (8, 9) may be between 0.3 mm<sup>3</sup> and 4 mm<sup>3</sup>. The gas duct (6) may  
supply gas to said cavity (8) through an orifice (7) in the wall of said  
cavity (8).

WO 2004/055400 A1